

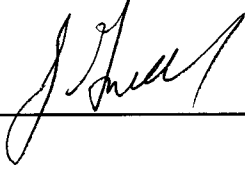
REPORT

TO: Energy and Environment Committee

FROM: Ted Harris, Associate Regional Planner, harrist@scag.ca.gov, (213) 236-1916

DATE: January 6, 2005

RE: Draft Conformity Findings for the 8-hour Ozone Standard

EXECUTIVE DIRECTOR'S APPROVAL: 

RECOMMENDED ACTION

Approve the release of the Draft Transportation Air Quality Conformity Determination for the 8-hour ozone standard for a 30-day public review period.

SUMMARY

This memo summarizes the draft conformity determination for the 8-hour ozone standard for the 2004 Regional Transportation Plan (RTP) and the 2004 Regional Transportation Improvement Program (RTIP).

Key 8-hour Ozone Requirements:

The new federal conformity regulation for 8-hour ozone requires the Southern California Association of Governments (SCAG) to receive approval from the United States Department of Transportation (US DOT) on SCAG's conformity determination by June 15, 2005. Non-attainment area designations for the new 8-hour ozone standard became effective on June 15, 2004, and an approved conformity determination is required one year after the effective date. If US DOT does not approve SCAG's determination by June 15, 2005, then the region's conformity will lapse.

Table 1 presents 8-hour ozone non-attainment areas in the SCAG region. New ozone attainment years in the region include 2007 for Imperial County, 2010 for the Western portion of the Mojave Desert Air Basin, 2010 for Ventura County (South Central Coast Air Basin), 2013 for Coachella Valley (Salton Sea Air Basin), and 2021 for the South Coast Air Basin (SCAB).



Table 1: SCAG Region – Eight-hour Ozone Non-attainment Areas

Non-attainment Area	Classification	Maximum Attainment Date
South Coast Air Basin (SCAB)	Severe-17	2021
Coachella Valley – Salton Sea Air Basin (SSAB)	Serious	2013
Western Portion of Mojave Desert Air Basin (MDAB) [San Bernardino County and Antelope Valley]	Moderate	2010
Ventura County – South Central Coast Air Basin (SCCAB)	Moderate	2010
Imperial County (SSAB)	Marginal	2007

The Southern California Transportation Conformity Working Group (TCWG) has discussed an efficient process to obtain an approved 8-hour ozone conformity determination for the 2004 RTP and RTIP (<http://www.scag.ca.gov/tcwg/index.htm>). This process entails reaffirming previously approved ozone analyses and findings for the 2004 RTP and 2004 RTIP and addressing additional analyses required by the new 8-hour standard.

Reaffirming Ozone Analysis and Findings:

The 8-hour ozone conformity determination includes a reaffirmation of the approved conformity findings for both the 2004 RTP and the 2004 RTIP. This reaffirmation includes regional emissions analyses, financial constraint test, timely implementation of Transportation Control Measures (TCMs) report, the use of the latest planning assumptions and the latest approved emissions model, and the appropriate documentation of findings, including reaffirming the process for interagency consultation and public participation. Until new 8-hour budgets are approved, the new federal conformity regulation for 8-hour ozone authorizes the use of previously approved ozone analyses and findings. Specifically, the 8-hour rule requires the use of existing 1-hour ozone emission budgets where existing 1-hour and new 8-hour boundaries are the same (93.109(e)(2)(i)) or where an existing 1-hour area can be divided into the appropriate geography of the 8-hour areas (93.109(e)(2)(ii)).

In the SCAG region, existing 1-hour ozone emission budgets apply for 8-hour ozone conformity determinations until new 8-hour budgets have been approved. The 1-hour ozone non-attainment areas in Ventura County and the South Coast Air Basin (SCAB) are identical to the 8-hour non-attainment areas. Thus, the 1-hour ozone budget can be used as-is for Ventura County and SCAB. Likewise, the 1-hour budgets for the Southeast Desert Modified Air Basin (SEDAB) can be divided into two sets of 8-hour budgets for Coachella Valley and the Western Mojave Desert Air Basin.

Imperial County is the only 8-hour ozone non-attainment area in the SCAG region that does not have an approved 1-hour ozone budget. For Imperial County, the previously approved interim emission test performed for the 1-hour standard also fulfills the 8-hour ozone requirement. Thus, the ozone conformity finding for Imperial County is reaffirmed in the 8-hour ozone conformity determination for both the 2004 RTP and 2004 RTIP.

Overall, the budgets, analyses, and findings for the 1-hour standard apply to the 8-hour conformity determination, and the 8-hour conformity determination reaffirms the approved ozone determinations for both the 2004 RTP and 2004 RTIP.

Additional Analysis:

In addition to reaffirming previous conformity findings, the 8-hour ozone conformity determination includes additional analysis and refined findings. The 8-hour determination includes additional regional emissions analysis for the new attainment years in the Coachella Valley portion of the Salton Sea Air Basin (SSAB) (2013) and the South Coast Air Basin (2021), although 2020 may be used in future 8-hour conformity determination for the SCAB. The 8-hour determination refines the conformity findings for the Southeast Desert Modified area to reflect the two new 8-hour ozone non-attainment areas, the Western Portion of the Mojave Desert Air Basin (MDAB) and the Coachella Valley portion of the Salton Sea Air Basin (SSAB). In summary, all of the additional analysis is consistent with the applicable budgets.

Proposed Conformity Determinations

SCAG has determined the following conformity findings for the 2004 RTP and the 2004 RTIP under the required Federal tests for 8-Hour Ozone:

✓ **Regional Emissions Tests**

- Finding: SCAG's 2004 RTP/RTIP regional emissions for Ozone precursors are consistent with all applicable emissions budgets for all milestone, attainment, and planning horizon years for the following areas:
 - SCAB (2003 Ozone SIP)
 - SCCAB (Ventura County- 2004 Ozone SIP)
 - Coachella Valley SSAB (2004 Ozone SIP)
 - Western MDAB (2004 Ozone SIP)
- Finding: SCAG's 2004 RTP/RTIP regional emissions (build scenario) for Ozone precursors are less than the no-build emissions for the Imperial County portion of SSAB.



REPORT

✓ Reaffirmation of 2004 RTP/RTIP Conformity Tests

- Finding: SCAG reaffirms the applicable conformity findings for both the 2004 RTP and the 2004 RTIP, which can be viewed at:

<http://www.scag.ca.gov/rtp2001/2004draft/techappendix/FinalTechAppend.htm>
and:
<http://www.scag.ca.gov/RTIP/final04/Sec1.pdf>.

- This reaffirmation covers the findings for all applicable pollutants, including regional emissions analyses, financial constraint test, timely implementation of Transportation Control Measures (TCMs) report, applying the use of the latest planning assumptions and the latest approved emissions model, reaffirming consistency between the adopted 2004 RTIP and the adopted 2004 RTP, and reaffirming the process for interagency consultation and public participation.

✓ Inter-agency Consultation and Public Involvement Test

- Finding: In addition to reaffirming the already conducted public involvement and interagency consultation test for the 2004 RTP/RTIP, the 8-hour ozone conformity determination is also undergoing an appropriate process for interagency consultation and public participation.

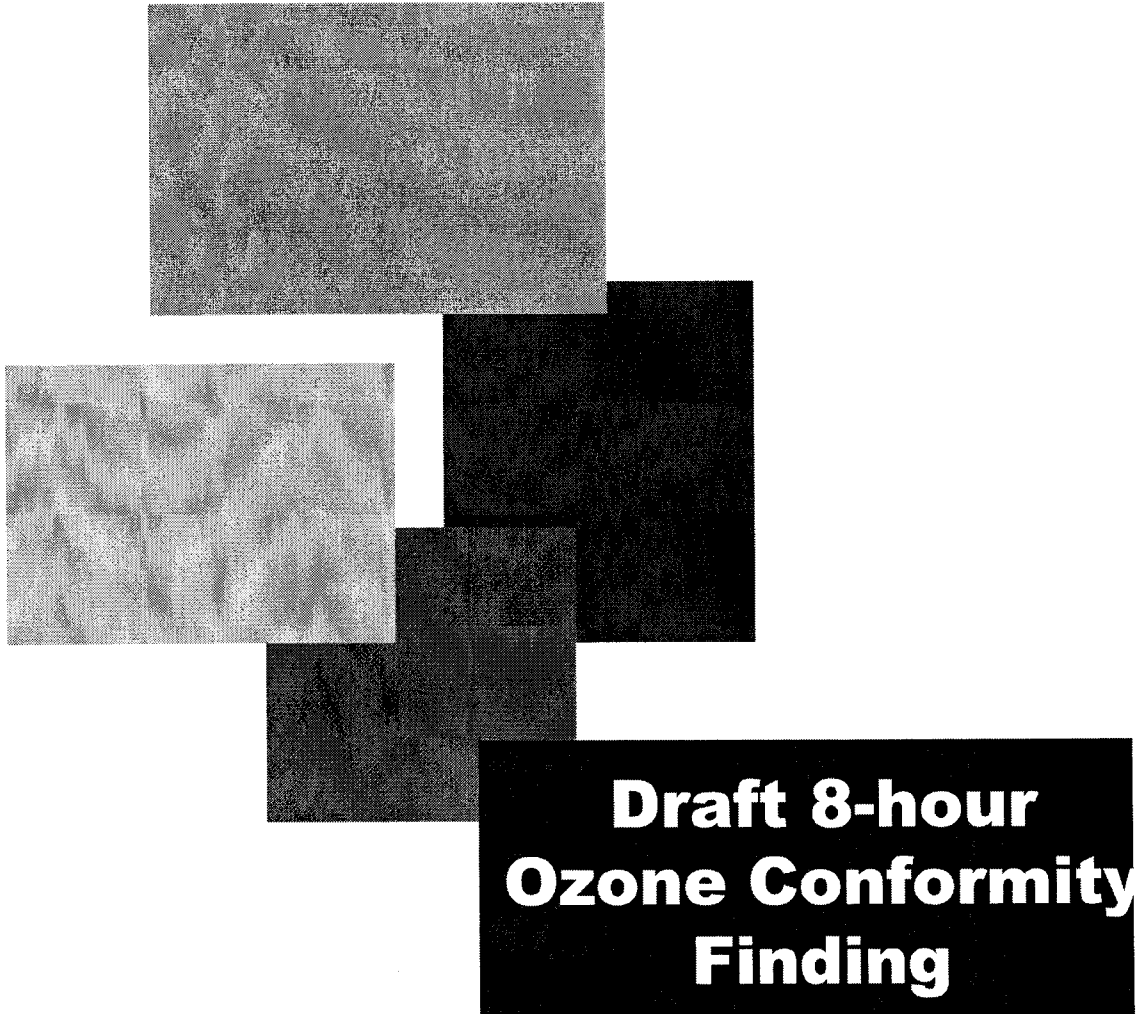
Conclusion:

The conformity determination and findings for the 8-hour ozone entail reaffirming previously approved ozone conformity findings, including additional emissions analyses for two additional milestone years, and refining the ozone finding to represent Coachella Valley and the Western Portion of the Mojave Desert.

FISCAL IMPACT

The staff resources for determining air quality conformity for the new 8-hour standard are contained within the Fiscal Year 2004/05 SCAG budget. *tc*





I. PREFACE

This conformity report covers all federally required analyses for the 8-hour ozone conformity determination for the 2004 Regional Transportation Plan (RTP) and 2004 Regional Transportation Improvement Program (RTIP). A conformity determination consists of regional emissions analysis, financial constraint test, timely implementation of Transportation Control Measures (TCMs) reporting, the use of the latest planning assumptions and the latest approved emissions model, appropriate documentation of findings, interagency consultation, and public involvement. This report reaffirms all of the applicable ozone conformity findings for the 2004 RTP and 2004 RTIP and addresses additional analyses required for the new 8-hour standard.

Reaffirming Ozone Analysis and Findings:

The 8-hour ozone conformity determination includes a reaffirmation of the approved conformity findings for both the 2004 RTP and the 2004 RTIP. This reaffirmation includes regional emissions analyses, financial constraint test, timely implementation of Transportation Control Measures (TCMs) report, the use of the latest planning assumptions and the latest approved emissions model, and the appropriate documentation of findings, including reaffirming the process for interagency consultation and public participation.

Conformity Status of Adopted RTP and RTIP

The adopted Regional Transportation Plan (RTP) and the Regional Transportation Improvement Program (RTIP) conform to the air quality goals established by the State (air quality) Implementation Plan (SIP). Specifically, the 2004 RTP and RTIP will 1) not create new violations of the federal air quality standards, 2) not increase the frequency or severity of existing violations of the standards, and 3) not delay attainment of the standards.

The effective date for the conformity determination for the adopted 2004 RTP, including all of the air basins, is June 7, 2004, and the effective date of the federal conformity determination for the 2004 Regional Transportation Improvement Program is October 4, 2004. The conformity determination for the adopted RTP is effective for three years; thus, the RTP conformity will remain effective until June 7, 2007. On October 4, 2004, the federal agencies conditionally approved funding and determined conformity of the 2004 RTIP. After the conditions of approval have been addressed, the federal funding approval of the 2004 RTIP will expire on October 4, 2006.

The 8-hour ozone conformity determination does not affect the existing conformity schedule for the RTP or RTIP. However, the new federal conformity regulation for 8-hour ozone requires the Southern California Association of Governments (SCAG) to make a positive conformity determination and receive approval from the United States Department of Transportation (US DOT) by June 15, 2005. Non-attainment area designations for the new 8-hour ozone standard became effective on June 15, 2004, and an approved conformity determination is required one year after the effective date. If US DOT does not approve SCAG's determination by June 15, 2005, then the region's conformity will lapse.

II. 8-HOUR OZONE CONFORMITY REQUIREMENTS

Introduction

The Southern California Association of Governments (SCAG), the Metropolitan Planning Organization (MPO) for Southern California, is mandated to comply with all applicable federal and state transportation and air quality regulations. The new federal conformity regulation for 8-hour ozone requires SCAG to receive approval from the United States Department of Transportation (US DOT) on SCAG's conformity determination by June 15, 2005. Non-attainment area designations for the new 8-hour ozone standard became effective on June 15, 2004, and an approved conformity determination is required one year after the effective date. If US DOT does not approve SCAG's determination by June 15, 2005, then the region's conformity will lapse.

Eight-Hour Ozone Non-attainment Areas

Table 1 presents 8-hour ozone non-attainment areas in the SCAG region. New ozone attainment years in the region include 2007 for Imperial County, 2010 for the Western portion of the Mojave Desert Air Basin, 2010 for Ventura County (South Central Coast Air Basin), 2013 for Coachella Valley (Salton Sea Air Basin), and 2021 for the South Coast Air Basin (SCAB).

Table 1: SCAG Region – Eight-hour Ozone Non-attainment Areas

Non-attainment Area	Classification	Maximum Attainment Date
South Coast Air Basin (SCAB)	Severe-17	2021
Coachella Valley – Salton Sea Air Basin (SSAB)	Serious	2013
Western Portion of Mojave Desert Air Basin (MDAB) [San Bernardino County and Antelope Valley]	Moderate	2010
Ventura County – South Central Coast Air Basin (SCCAB)	Moderate	2010
Imperial County (SSAB)	Marginal	2007

An eight-hour Ozone non-attainment area is designated for an area where a high level of Ozone is measured for a minimum of eight hours per day. In the SCAG region, the ozone non-attainment boundaries for the 1-hour and 8-hour standards are consistent. The 1-hour ozone non-attainment areas in Ventura County and the SCAB are identical to the 8-hour non-attainment areas, and Southeast Desert Modified Air Basin (SEDAB) has been divided into Coachella Valley and the Western Mojave Desert Air Basin. The boundaries of federal 8-hour ozone non-attainment areas are illustrated on the map attached at the end of this report.

Applicable Emissions Budgets for 8-hour Ozone

Until new 8-hour budgets are approved, the new federal conformity regulation for 8-hour ozone authorizes the use of previously approved ozone analyses and findings. Specifically, the 8-hour rule requires the use of existing 1-hour ozone emission budgets where existing 1-hour and new 8-hour boundaries are the same (93.109(e)(2)(i)) or where an existing 1-hour area can be divided into the appropriate geography of the 8-hour areas (93.109(e)(2)(ii)), unless interagency consultation determines otherwise.

In the SCAG region, existing 1-hour ozone emission budgets apply for 8-hour ozone conformity determinations until new 8-hour budgets have been approved. The 1-hour ozone non-attainment areas in Ventura County and the SCAB are identical to the 8-hour non-attainment areas. Thus, the 1-hour ozone budget can be used as-is for Ventura County and the SCAB.

Table 2: South Coast Air Basin Budgets for 8-hr Ozone

Ozone Precursors, Summer Temperatures		2005	2008	2010	2020	2021	2030
ROG (VOC)	Budget (tons/day)	263	216	155	155	155	155
NO _x	Budget (tons/day)	546	464	352	352	352	352

Reactive organic gases (ROG), Volatile Organic Compounds (VOC), Nitrogen Oxides (NO_x)

Table 3: Ventura County - South Central Coast Air Basin Budgets for 8-hr Ozone

Ozone Precursors, Summer Temperatures		2005	2010	2020	2030
ROG (VOC)	Budget (tons/day)	14.3	14.3	14.3	14.3
NO _x	Budget (tons/day)	21.4	21.4	21.4	21.4

Reactive Organic Gases (ROG), Volatile Organic Compounds (VOC), Nitrogen Oxides (NO_x)

The 1-hour budgets for the Southeast Desert Modified Air Basin (SEDAB) can be divided into two sets of 8-hour budgets for Coachella Valley and the Western Mojave Desert Air Basin, based on pre-existing one-hour budgets submitted to the ARB by Antelope Valley AQMD, Mojave Desert AQMD, and Coachella Valley (SCAQMD). Table 4 presents the existing one-hour budgets for the Southeast Desert Air Basin, Table 5 the 8-hour ozone budgets for the Coachella Valley, and Table 6 the 8-hour ozone budgets for the Western Mojave Desert Air Basin.

Table 4: Southeast Desert Air Basin Budgets for 1-hr Ozone

Ozone Precursors, Summer Temperatures		2005	2007	2010	2020	2030
ROG (VOC)	Budget (tons/day)	26.5	23.2	23.2	23.2	23.2
NO _x	Budget (tons/day)	68.3	63.2	63.2	63.2	63.2

Reactive Organic Gases (ROG), Volatile Organic Compounds (VOC), Nitrogen Oxides (NO_x)

Draft 2004 RTP and RTIP Conformity Findings for 8-Hour Ozone

Table 5: Coachella Valley (SSAB) Budgets for 8-hr Ozone

Ozone Precursors, Summer Temperatures		2005	2007	2010	2013	2020	2030
ROG (VOC)	Budget (tons/day)	4.6	4.1	4.1	4.1	4.1	4.1
NO _x	Budget (tons/day)	12.3	11.1	11.1	11.1	11.1	11.1

Reactive Organic Gases (ROG), Volatile Organic Compounds (VOC), Nitrogen Oxides (NO_x)

Table 6: Western Mojave Desert Air Basin Budgets for 8-hr Ozone

Ozone Precursors, Summer Temperatures		2005	2007	2010	2020	2030
ROG (VOC)	Budget (tons/day)	21.9	19.1	19.1	19.1	19.1
NO _x	Budget (tons/day)	56.0	52.1	52.1	52.1	52.1

Reactive Organic Gases (ROG), Volatile Organic Compounds (VOC), Nitrogen Oxides (NO_x)

In absence of an applicable emissions budget for conformity, SCAG has to conduct an interim emission test, known as a build/no-build test. Imperial County (Salton Sean Air Basin) is subject to the build/no-build test for ozone.

Summary of the 2004 RTP and 2004 RTIP Regional Emissions Analyses for 8-hour Ozone

As mandated by the Conformity Rule, to pass a regional emission test for a conformity finding, the test must meet one of the following requirements:

- For the budget test, regional emissions must be equal or less than the emission budgets.
- For the build/no-build test, the build scenario's emissions must be less than the no-build scenario's emissions.

Note: The build scenario means implementing the RTP/RTIP and the no-build scenario means not implementing the RTP/RTIP.

A summary of the regional emissions analyses (conformity findings) are tabulated in the following tables, which are organized by air basin geography.

Draft 2004 RTP and RTIP Conformity Findings for 8-Hour Ozone

South Coast Air Basin (SCAB)

Ozone Emissions Analysis (tons/day)							
SCAB - Summer Temperatures							
Ozone Precursor		2005	2008	2010	2020	2021	2030
ROG (VOC)	Budget	263.000	216.000	155.000	155.000	155.000	155.000
	2004 RTP/RTIP	258.467	212.754	151.339	107.230	103.824	73.127
NO _x	Budget	546.000	464.000	352.000	352.000	352.000	352.000
	2004 RTP/RTIP	542.271	453.459	349.304	184.282	173.636	120.819

Regional emissions budget generated using EMFAC 2002. To pass, RTP/RTIP emissions must be equal or less than budget.

Ventura County - South Central Coast Air Basin (VC/SCCAB)

Ozone (tons/day)					
Summer Temperatures					
SCCAB-Ventura County					
Ozone Precursors		2005	2010	2020	2030
ROG (VOC)	Budget	14.300	14.300	14.300	14.300
	2004 RTP/RTIP	14.180	10.670	6.160	4.170
NO _x	Budget	21.400	21.400	21.400	21.400
	2004 RTP/RTIP	21.190	15.170	6.800	4.350

Regional emissions generated using EMFAC 2002. To pass, RTP/RTIP emissions must be equal or less than budget.

Coachella Valley/Salton Sea Air Basin (SSAB)

Ozone (tons/day)							
Summer Temperatures							
CVAB/SSAB *							
Ozone Precursor		2005	2007	2010	2013	2020	2030
ROG	Budget	4.600	4.100	4.100	4.100	4.100	4.100
	2004 RTP/RTIP	4.310	3.906	3.361	2.776	2.234	1.838
NO _x	Budget	12.300	11.100	11.100	11.100	11.100	11.100
	2004 RTP/RTIP	12.008	11.016	9.305	5.313	4.913	3.460

Regional emissions generated using EMFAC 2002. To pass, RTP/RTIP emissions must be equal or less than budget.

Draft 2004 RTP and RTIP Conformity Findings for 8-Hour Ozone

Western Mojave Desert Air Basin (MDAB)

Ozone (tons/day) Summer Temperatures Western MDAB						
Ozone Precursor		2005	2007	2010	2020	2030
ROG	Budget	21.900	19.100	19.100	19.100	19.100
	2004 RTP/RTIP	18.800	16.436	13.330	7.690	6.340
NO _x	Budget	56.000	52.100	52.100	52.100	52.100
	2004 RTP/RTIP	52.510	48.388	41.750	19.310	14.360

Regional emissions generated using EMFAC 2002. To pass, RTP/RTIP emissions must be equal or less than budget.

Imperial County/Salton Sea Air Basin (SSAB)

Ozone Emissions Analysis (tons/day) Summer Temperatures SSAB - Imperial County					
		2005	2010	2020	2030
ROG (VOC)	No-build (Baseline)	8.850	7.230	5.630	5.720
	Build (Plan)	8.845	7.220	5.610	5.690
NO _x	No-build (Baseline)	12.725	11.800	8.881	7.810
	Build (Plan)	12.720	11.790	8.880	7.790

Regional emissions generated using EMFAC 2002. To pass, the Build emissions must be less than the No-Build emissions.

Conformity Determinations

SCAG has determined the following conformity findings for the 2004 RTP and 2004 RTIP under the required Federal tests for 8-Hour Ozone:

✓ Regional Emissions Tests

- Finding SCAG's 2004 RTP/RTIP regional emissions for Ozone precursors are consistent with all applicable emissions budgets for all milestone, attainment, and planning horizon years for the following areas:
 - SCAB (2003 Ozone SIP)
 - SCCAB (Ventura County- 2004 Ozone SIP)
 - Coachella Valley SSAB (2004 Ozone SIP)
 - Western MDAB (2004 Ozone SIP)
- Finding SCAG's 2004 RTP/RTIP regional emissions (build scenario) for Ozone precursors are less than the no-build emissions for the Imperial County portion of SSAB.

✓ Reaffirmation of 2004 RTP/RTIP Conformity Tests

- Finding: SCAG reaffirms the applicable conformity findings for both the 2004 RTP/RTIP, which can be found at:

<http://www.scag.ca.gov/rtp2001/2004draft/techappendix/FinalTechAppend.htm>
and:
<http://www.scag.ca.gov/RTIP/final04/Sec1.pdf>

- This reaffirmation covers the findings for all applicable pollutants, including regional emissions analyses, financial constraint test, timely implementation of Transportation Control Measures (TCMs) report, applying the use of the latest planning assumptions and the latest approved emissions model, reaffirming consistency between the adopted 2004 RTIP and the adopted 2004 RTP, and reaffirming the process for interagency consultation and public participation.

✓ Inter-agency Consultation and Public Involvement Test

- Finding: In addition to reaffirming the already conducted public involvement and interagency consultation test for the 2004 RTP/RTIP, the 8-hour ozone conformity determination is also undergoing an appropriate process for interagency consultation and public participation.

REGIONAL EMISSIONS ANALYSES

SOUTH COAST AIR BASIN (SCAB)

The South Coast Air Basin (SCAB) covers the urbanized portions of Los Angeles, Orange, Riverside, and San Bernardino counties, and is within the jurisdiction of the South Coast Air Quality Management District (SCAQMD).

OZONE PRECURSORS

The ozone emissions budgets for ROG and NO_x are derived from the summer planning inventory and the reductions from defined new measures in the 2003 SIP.

REACTIVE ORGANIC GAS EMISSIONS (ROG) - SUMMER

	YR 2005	YR 2008	YR 2010	YR 2020	YR 2021	YR 2030
2004 RTP/RTIP	263.760	216.920	190.110	108.030	104.590	73.620
Rule 2202	- 2.593	- 1.966	- 1.671	- 0.800	-0.766	- 0.493
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Adjusted Emission	261.167	214.954	188.439	107.230	103.824	73.127
I/M Improvements	- 2.700	- 2.200	- 1.900	0.000	0.000	0.000
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Adjusted Emission	258.467	212.754	186.539	107.230	103.824	73.127
New Defined State Measures	0.000	0.000	- 35.200	0.000	0.000	0.000
-----	-----	-----	-----	-----	-----	-----
Adjusted Emission	258.467	212.754	151.339	107.230	103.824	73.127
New Local Measures	0.000	0.000	0.000	0.000	0.000	0.000
-----	-----	-----	-----	-----	-----	-----
Adjusted Emission	258.467	212.754	151.339	107.230	103.824	73.127
Emission Budgets	263.000	216.000	155.000	155.000	155.000	155.000
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Difference (Adj – Budget)	- 4.533	- 3.246	- 3.661	- 47.770	- 51.176	- 81.873

Conformity finding requirement: ROG emissions must be equal or less than emission budgets.

Note: Year 2008 emissions are estimated by interpolation between year 2005 and year 2010.

Draft 2004 RTP and RTIP Conformity Findings for 8-Hour Ozone

OXIDES OF NITROGEN EMISSIONS (NO_x) -SUMMER

	YR 2005	YR 2008	YR 2010	YR 2020	YR 2021	YR 2030
2004 RTP/RTIP	549.350	459.260	403.820	185.010	174.320	121.210
Rule 2202	- 2.879	- 2.101	- 1.716	- 0.728	- 0.684	- 0.391
-----	-----	-----	-----	-----	-----	-----
Adjusted Emission	546.471	457.159	402.104	184.282	173.636	120.819
I/M Improvements	- 4.200	- 3.700	- 3.400	0.000	0.000	0.000
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Adjusted Emission	542.271	453.459	398.704	184.282	173.636	120.819
New Defined State Measures	0.000	0.000	- 49.400	0.000	0.000	0.000
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Adjusted Emission	542.271	453.459	349.304	184.282	173.636	120.819
New Local Measures	0.000	0.000	0.000	0.000	0.000	0.000
-----	-----	-----	-----	-----	-----	-----
Adjusted Emission	542.271	453.459	349.304	184.282	173.636	120.819
Emission Budgets	546.000	464.000	352.000	352.000	352.000	352.000
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Difference (Adj – Budget)	- 3.729	- 10.541	- 2.696	- 167.718	- 178.364	- 231.181

Conformity finding requirement: NO_x emissions must be equal or less than emission budgets.

Note: Year 2008 emissions are estimated by interpolation between year 2005 and year 2010.

COACHELLA VALLEY (SSAB)

The Coachella Valley is the desert portion of Riverside County in the Salton Sea Air Basin and the South Coast Air Quality Management District (SCAQMD) is the local agency responsible for air quality assessment and improvement in the Coachella Valley.

OZONE PRECURSORS**REACTIVE ORGANIC GAS EMISSIONS (ROG) - SUMMER**

	YR 2005	YR 2007	YR 2010	YR 2013	YR 2020	YR 2030
2004 RTP/RTIP	4.350	3.940	3.390	2.800	2.250	1.850
Rule 2202	- 0.040	- 0.034	- 0.029	- 0.024	- 0.016	- 0.012
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Adjusted Emission	4.310	3.906	3.361	2.776	2.234	1.838
Emission Budgets	4.600	4.100	4.100	4.100	4.100	4.100
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Difference (Adj – Budget)	- 0.290	- 0.194	- 0.739	- 1.324	- 1.866	- 2.262

Conformity finding requirement: ROG emissions must be equal or less than emission budgets.

Year 2007 figures are estimated by interpolation between year 2005 and year 2010.

OXIDES OF NITROGEN EMISSIONS (NOx) -SUMMER

	YR 2005	YR 2007	YR 2010	YR 2013	YR 2020	YR 2030
2004 RTP/RTIP	12.060	11.060	9.340	5.340	4.930	3.470
Rule 2202	- 0.052	- 0.044	- 0.035	- 0.027	- 0.017	- 0.011
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Adjusted Emission	12.008	11.016	9.305	5.313	4.913	3.460
Emission Budgets	12.300	11.100	11.100	11.100	11.100	11.100
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Difference (Adj – Budget)	- 0.292	- 0.084	- 1.795	- 5.787	- 6.187	- 7.641

Conformity finding requirement: NOx emissions must be equal or less than emission budgets.

Note : CARB estimated VMT and emissions for the Mojave Valley subarea.

Year 2007 figures are estimated by interpolation between year 2005 and year 2010

WESTERN MOJAVE DESERT AIR BASIN (MDAB)

San Bernardino portion of MDAB excluding Searles Valley and Antelope Valley

OZONE PRECURSORS

REACTIVE ORGANIC GAS EMISSIONS (ROG) - SUMMER

	YR 2005	YR 2007	YR 2010	YR 2020	YR 2030
2004 RTP/RTIP					
Adjusted Emission	18.800	16.436	13.330	7.690	6.340
Emission Budgets	21.900	19.100	19.100	19.100	19.100
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Difference (Adj – Budget)	- 3.100	- 2.664	- 5.770	- 11.410	- 12.760

Conformity finding requirement: NOx emissions must be equal or less than emission budgets.

Note : CARB estimated VMT and emissions for the Mojave Valley subarea.

Year 2007 figures are estimated by interpolation between year 2005 and year 2010

OXIDES OF NITROGEN EMISSIONS (NOx) -SUMMER

	YR 2005	YR 2007	YR 2010	YR 2020	YR 2030
2004 RTP/RTIP					
Adjusted Emission	52.510	48.388	41.750	19.310	14.360
Emission Budgets	56.000	52.100	52.100	52.100	52.100
-----	-----	-----	-----	-----	-----
Difference (Adj – Budget)	- 3.490	- 3.712	- 10.350	- 32.790	- 37.740

Conformity finding requirement: NOx emissions must be equal or less than emission budgets.

Note : CARB estimated VMT and emissions for the Mojave Valley subarea.

Year 2007 figures are estimated by interpolation between year 2005 and year 2010

Draft 2004 RTP and RTIP Conformity Findings for 8-Hour Ozone

VENTURA COUNTY

Ventura County portion of the South Central Coast Air Basin (SCCAB) which covers the entire Ventura County and is within the jurisdiction of the Ventura County Air Pollution Control District (VCAPCD).

OZONE PRECURSORS

REACTIVE ORGANIC GAS EMISSIONS (ROG) - SUMMER

	YR 2005	YR 2010	YR 2020	YR 2030
RTP/RTIP	14.330	10.780	6.200	4.170
I/M Improvements	- 0.150	- 0.110	0.040	0.000
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Adjusted Emission	14.180	10.670	6.160	4.170
Emission Budgets	14.300	14.300	14.300	14.300
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Difference (Adj – Budget)	- 0.120	- 3.630	- 8.140	- 10.130

Conformity finding requirement: ROG emissions must be equal or less than emission budgets.

OXIDES OF NITROGEN EMISSIONS (NO_x) -SUMMER

	YR 2005	YR 2010	YR 2020	YR 2030
RTP/RTIP	21.410	15.350	6.880	4.350
I/M Improvements	- 0.220	- 0.180	0.080	0.000
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Adjusted Emission	21.190	15.170	6.800	4.350
Emission Budgets	21.400	21.400	21.400	21.400
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Difference (Adj – Budget)	- 0.210	- 6.230	- 14.600	- 17.050

Conformity finding requirement: NO_x emissions must be equal or less than emission budgets.

IMPERIAL COUNTY

The Imperial County portion of the Salton Sea Air Basin is designated by the Environmental Protection Agency (EPA) as a non-attainment area for ozone.

The SCAG Regional Transportation Model does not cover Imperial County. Therefore the conformity analysis is based on the Imperial County Subregional Model.

OZONE PRECURSORS

REACTIVE ORGANIC GAS EMISSIONS (ROG) - SUMMER

	YR 2005	YR 2010	YR 2020	YR 2030
RTP/RTIP	8.845	7.220	5.610	5.690
Baseline	8.850	7.230	5.630	5.720
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Difference	- 0.005	- 0.010	- 0.020	- 0.030

Conformity finding requirement: the Plan scenario's emissions must be less than the Baseline scenario's emissions.

Note: Year 2005 emissions are estimated by interpolation between year 2000 and year 2010.

OXIDES OF NITROGEN EMISSIONS (NO_x) -SUMMER

	YR 2005	YR 2010	YR 2020	YR 2030
RTP/RTIP	12.720	11.790	8.880	7.790
Baseline	12.725	11.800	8.881	7.810
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Difference	- 0.005	- 0.010	- 0.001	- 0.020

Conformity finding requirement: the Plan scenario's emissions must be less than the Baseline scenario's emissions.

Note: Year 2005 emissions are estimated by interpolation between year 2000 and year 2010.